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11. (currently amended) A device for scanning an optical record carrier having a transparent layer and an information layer, comprising

- a radiation source for generating the radiation beam,
- an objective system for converging the radiation beam through the transparent layer to a focus on the information layer,
- a detection system for intercepting radiation from the record carrier, and
- an optical wavefront modifier according to claim 9 is arranged in the optical path between the radiation source and the detection system, wherein the first and second directions of displacement are chosen to compensate for expected motions of the ~~optical record~~objective lens system carrier during ~~play~~operation.

12. (new) The device of claim 10, wherein the difference between a first electric signal supplied to the first electrode layer and a second electric signal supplied to the second electrode layer is substantially proportional to a displacement of the objective lens system.

13. (new) The device of claim 11, wherein the difference between a first electric signal supplied to the first electrode layer and a second electric signal supplied to the second electrode layer is substantially proportional to a displacement of the objective lens system.

14. (new) A method for modifying a radiation beam in a scanning device for an optical record carrier, the method comprising:

- using a wavefront modifier comprising

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- at least first and second transparent electrode layers, at least one of the layers having a center of symmetry that is displaced from a center of symmetry of the modifier as a whole;
- a medium for modifying the wavefront in dependence on electrical excitation from the electrodes;

- adjusting voltage of one or both electrodes to alter an effect of the wavefront modifier to compensate for expected motion of an objective lens system of the scanning device; and
- receiving and modifying a radiation beam using the modifier with the altered effect.

15. (new) An optical wavefront modifier for modifying a wavefront of an optical beam passing through the modifier, the modifier comprising

- at least first and second transparent electrode layers, at least the first electrode layer comprising three or more electrodes of a transparent, conductive material, wherein the electrodes within each layer are arranged around a center of symmetry and a width of the electrodes decreases with increasing radius from the center; and
- at least one medium for modifying the wavefront in dependence on electrical excitation of the medium the medium being arranged between the electrode layers.

16. (new) The modifier of claim 15, wherein, within at least one of the electrode layers comprises 2N+1 strips numbered consecutively with an index j that runs as –N, -N+1,… , 0, 1, …, N, and the strip with index j covers an area in the (x,y) plane that complies with

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Sub pl Cancl. Cancl.

$$\frac{2j-1}{2N+1} < W_{31}(x,y) < \frac{2j+1}{2N+1}$$

where $W_{31}(x,y) = (x^2+y^2)x$ is the Seidel polynomial for coma, and x,y are normalized coordinates in the cross-section of the radiation beam in the plane of the compensator, where x is in the direction of displacement of an objective lens system of a device in which the compensator is to be disposed.

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The present supplemental amendment adds claims commensurate with the scope of the disclosure and corrects minor technical errors in and slightly broadens some of the previously presented claims.

Please charge any fees other than the issue fee to deposit account 14-1270. Please credit any overpayments to the same account.

Applicants respectfully submit that they have answered each issue raised by the Examiner and that the application is accordingly in condition for allowance. Allowance is therefore respectfully requested.

CERTIFICATE OF MAILING

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Respectfully submitted,

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April 13, 2004